



आरत का राजापत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० ४] नई विल्ली, शनिवार, जनवरी २७, १९९०, (माघ ७, १९११)
No. 4] NEW DELHI, SATURDAY, JANUARY 27, 1990 (MAGHA 7, 1911)

इस भाग में भिन्न पृष्ठ संलग्न वी जाती है जिससे कि यह अजग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड २ [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंट्स और डिजाइन्स से सम्बन्धित अधिवृत्ताएं और नोटिस
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Calcutta, the 27th January 1990

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I-437 GT 89

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Telegraphic address "PATENTOFIS".

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Calcutta-700 020

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Telegraphic address "PATENTS".

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पेटेंट कार्यालय
एकत्र तथा अभिकल्प
कलकत्ता, दिनांक 27 जनवरी 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शास्त्र कार्यालय हैं, जिनके प्रादौशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शास्त्रा,
टोक्सी इस्टेट,
तीसरा तल, लोअर परले (पश्चम),
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र
एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव
एवं दावरा और नगर हवेली।

तार पता—“पेटेंटोफिस”।

पेटेंट कार्यालय शास्त्रा,
एक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोलबाग,
नई विल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश
राज्य क्षेत्रों एवं संघ शासित क्षेत्र
चंडीगढ़ तथा दिल्ली।

तार पता—“पेटेंटोफिस”।

पेटेंट कार्यालय शास्त्रा,
61, बालाजाह रोड,
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य और
एवं संघ शासित क्षेत्र पाण्डुचेरी, नक्षेत्रीय
मिनिकाय तथा एमिनिदिवि इवीप।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निषाम पैलेस, दिवतीय बहुतलीय कार्यालय भवन,
5, 6 तथा 7 वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र।

तार पता—“पेटेंट्स”।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 और अपेक्षित सभी वावेन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायेगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आवेदा या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के बनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है।

The 20th December, 1989

1051/Cal/89. Staetler & Uhl. Fittings for combing rollers, in particular for wool and cotton combing machines.

1052/Cal/89. Concast Standard Ag. A stirring device in a continuous casting plant for stirring a molten casting sump in the region of the mould outlet.

1053/Cal/89. Phillips Petroleum Company. Additive for well drilling fluids.

1054/Cal/89. Geeta Banerjee. An electromagnetic device for trapping animals.

The 21st December, 1989

1055/Cal/89. Valinox. A method of producing bimetallic tubes and the tubes obtained by this method.

PATENTS SEALED

164426	164482	164483	164484	164485	164601	164602
164643	164646	164649	164652	164653	164657	164659

1047/Cal/89. Krupp Widia GmbH. Hard metal composite body and the procedure for its production.

1048/Cal/89. Hitachi Construction Machinery Co. Ltd. Hydraulic drive controlling apparatus for construction machine.

1049/Cal/89. United Technologies Corporation. Inertia welding of hollow articles and articles thus formed.

1050/Cal/89. Hodogaya Chemical Co. Ltd. Benzamide derivatives and plant growth regulators containing them.

164677	164687	164688	164697	164703	164709	164731
164737	164738	164760	164763	164771	164779.	

CAL - 11
DEL - 15
BOM - 1.

RENEWAL FEES PAID

144281	145028	145168	145446	145866	145932	145982
146150	146176	146563	146794	147149	147572	147578
148224	148348	149254	149260	149298	149431	149670
149688	149689	149764	149831	150033	150034	150105
150616	150864	150947	151318	152023	152261	152264
152341	152575	152885	153222	153410	153695	153696
153735	154318	154487	155221	156005	156023	156053
156182	156188	156287	156475	156875	157365	157497
157924	158071	158149	158979	159058	159151	159172
159236	159496	159530	159607	159668	160151	160427
160690	160860	161242	161260	161368	161578	161796
161797	161893	162006	162018	162064	162262	162362
162421	162587	162729	162750	162970	163092	163243
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164578	164593	164595	164596	164597	164598	164599
164612	164616	164618.				

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The classifications given below in respect of each specification are according to Indian Classification and International Classification."

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स्वीकृत सम्पूर्ण विनिदेश

एसइइवारा यह मूलना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुबान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्माण की तिथि से 4 महीने शा अग्रिम प्रेसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक गहीने

की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एक्स्प्रेस को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिदेश के संबंध में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे मूलीगत विनिदेशों की सीमित संस्पर्श में मुद्रित प्रतियां, भारत सरकार बुक लिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्षय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिदेश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त जाक रुप्ति)। मुद्रित विनिदेश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित मूली में यथा प्रदर्शित विनिदेशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आदेशों) की फोटों प्रतियां यदि कोई हैं; उन साथ विनिदेशों की टांकित अथवा फाटों प्रतियां वही आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार (उक्त कार्यालय) में पश्च व्यावहार द्वारा सुनिश्चित करने के उपरांत उसकी अवायगी पर छोड़ी जा सकती है। विनिदेश को पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिदेश के सामने नीचे दर्शित चित्र आदेश कागजों को जोड़कर उसमें 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटों लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Int. CLASS : F 16 b 2/02

165841

A FASTENING DEVICE AND A METHOD OF MANUFACTURE OF THE FASTENING DEVICE FOR SECURING WORKPIECE TOGETHER WITH A SELECTIVELY VARIABLE CLAMP.

Applicant : HUCK MANUFACTURING COMPANY, LOCATED AT 6 THOMAS, P.O. BOX 19590, IRVINE, CALIFORNIA 92713, U.S.A.

Inventor : RICHARD DANIEL DIXON.

Application No. 335/Cal/1986 filed April 29, 1986.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

A fastening device including a fastener for securing workpieces together with a selectively variable clamp load with said fastener adapted to be finally installed via a relative axial force applied by an installation tool, said fastener comprising :

a pin member having an elongated shank terminating at one end in an enlarged pin head;

a lock groove portion on said shank including a plurality of helically extending lock grooves defining a thread form;

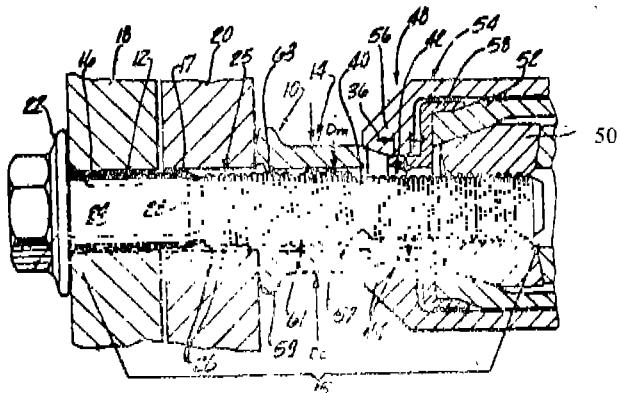
a tubular collar adapted to be located in said pin shank and to be swaged into said lock grooves in response to a first pre-selected magnitude of said relative axial force applicable by the installation tool;

said collar having a through bore of a diameter to generally receive said lock grooves in clearance relationship;

the improvement characterized by said collar having a limited female thread formed on said through bore and adapted to threadably engage said thread form defined by said lock grooves;

whereby said collar can be torqued onto said lock groove portion to selectively clamp or locate the workpieces relative to each other more or less;

said limited collar thread having a pre-selected strength selected to deform out of said lock grooves in response to a second pre-selected magnitude of relative axial force applied between said pin member and said collar by the installation tool with said second pre-selected magnitude whereby said collar can be moved axially over said pin member after deformation of said limited collar thread and prior to initiation of swaging of said collar into said lock grooves.



Compl. specn. 28 pages

Drg. 1 sheets

CLASS : 136-E

165842

Int. CLASS : B 29 c 47/00.

A LAMINAR, MOLDED, HOLLOW ARTICLE AND PROCESS FOR MAKING SAME.

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY, LOCATED AT WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventor : ALVIN STANLEY TOPOLSKY.

Application No. 387/Cal/1986 filed May 26, 1986.

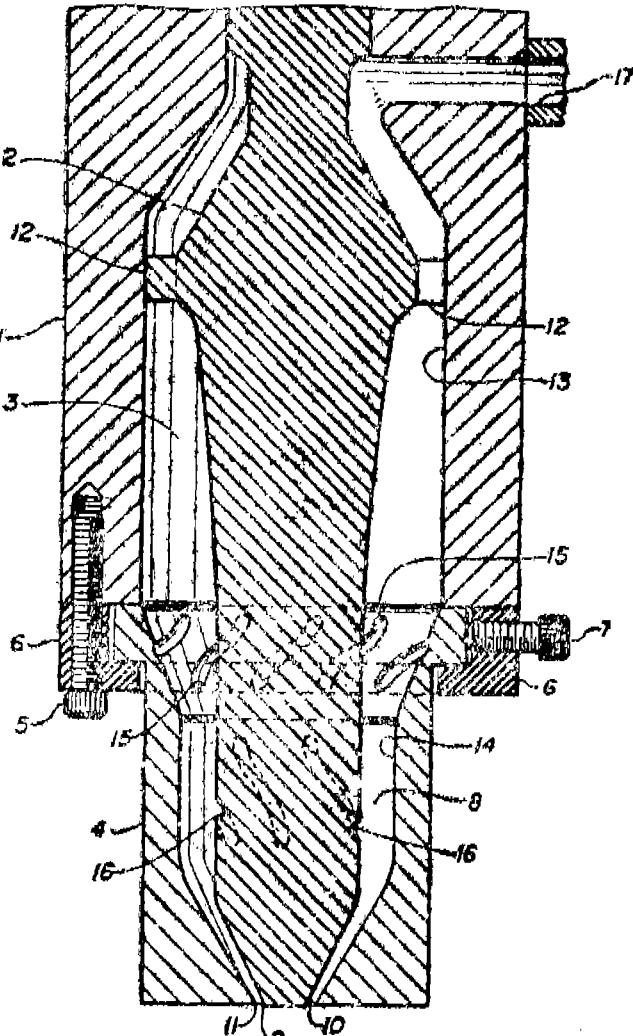
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A laminar, molded, hollow article comprising :

a combination of a first polymer component and a second polymer component as herein described incompatible with the first wherein the first polymer

and the second polymer are present in the article as thin, substantially two-dimensional, parallel and overlapping layers of material wherein knit lines in the article are curved to provide such overlapping layers in any radial section through a wall of the hollow article.



Compl. specn. 26 pages

Drg. 4 sheets

Int. CLASS : H 04 b 14/00

165843

APPARATUS FOR SYSTEM STRUCTURE RECOGNITION FOR A MULTILOOP TRANSMISSION SYSTEM.

Applicant : HITACHI, LTD, OF 6, KANDA SURUGA-DAI 4-CHOME CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) MASAYUKI ORIMO, (2) KINJI MORI, (3) HASUO SUZUKI.

Application No. 393/Cal/1986 filed May 27, 1986.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

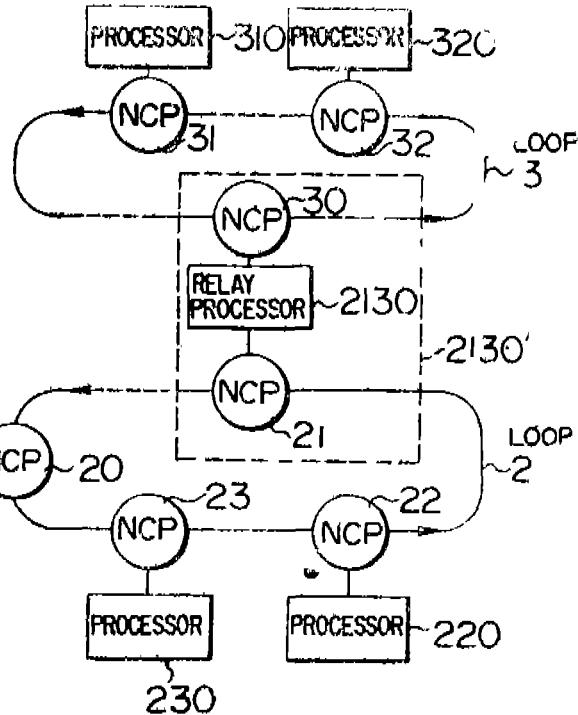
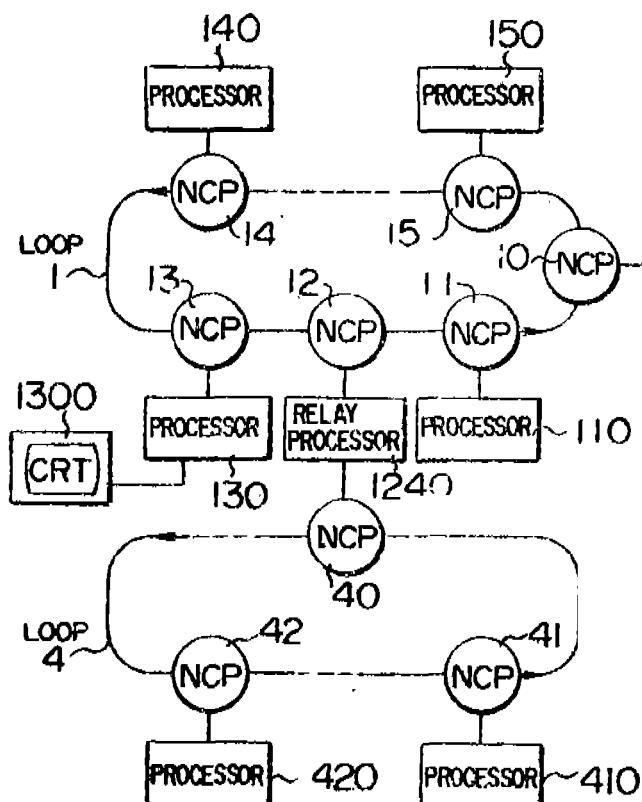
An apparatus for the system structure recognition for a multiloop transmission system having a plurality of loop transmission lines:

a plurality of transmission control devices disposed on said loop transmission lines and at least one relay apparatus connecting said loop transmission lines with each other; and

each of said transmission control devices comprising:

means for receiving the message for system recognition from said loop transmission lines; and

means for sending a message to said loop transmission lines after successively having added its own address to the data portion of said message when each of said control devices has received a message for system recognition from said loop transmission lines.



Compl. specn. 23 pages

Drg. 7 sheets

CLASS : 80-E

165844

Int. Cl. : B 01 d 25/00.

INSTALLATION FOR CLEANSING A FILTER BED.

Applicant : INFILCO DEGREMONT INC., 2924 EMERYWOOD PARKWAY, RICHMOND, VIRGINIA-23229, U.S.A.

Inventors : (1) KENNETH A WALKER, (2) RICHARD A. ADIE, (3) ARTHUR J. SHAPIRO.

Application No. 420/Cal/1986 filed June 05, 1986.

Complete Specification Left on 16th October, 1986.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An improved media filter cleansing installation for cleaning a filter bed, comprising a filter tank divided into a multiplicity of cells, a bed of filter media located on support plates mounted within said cells, influent means for delivering fluid to be treated to the top of said filter media bed and backwashing means for driving a backwashing fluid upward through said filter bed for removing contaminants contained therein wherein the improvement comprises:

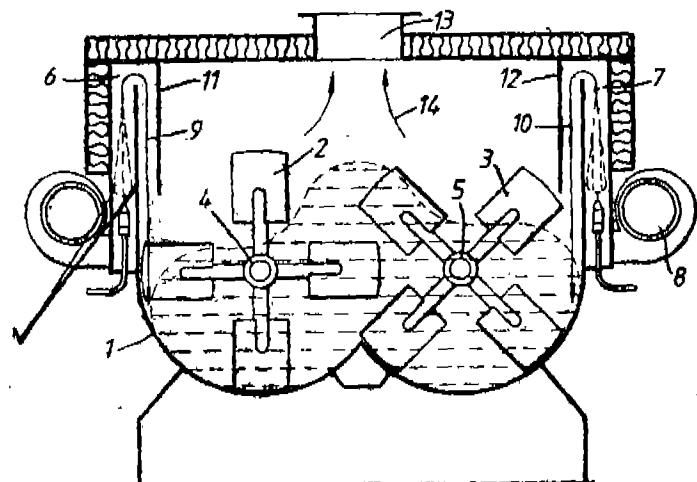
(a) means for recirculating a first portion of cleansing liquid from a backwash pump to a backwash shoe and to an inlet line of said backwash pump; and

fractory-lined partial oxidation reaction zone with a gas which contains free oxygen in the presence of a temperature moderator and in a reducing atmosphere to produce a hot raw effluent gas stream comprising H_2+CO and entrained molten slag; and wherein said reaction zone the said additive devoid of calcium combines with at least a portion of said nickel constituents and sulfur found in the feedstock to produce a liquid phase washing agent that collects and transports at least a portion of the vanadium-containing oxide laths and spinels and other ash components and refractory out of the reaction zone; and when said iron and calcium-containing additive is used separate portions of said iron-and calcium containing additive (I) combine with a portion of said nickel, calcium and sulfur to generate a liquid phase washing agent that collects and transports a portion of the vanadium-containing oxide laths and spinels and other ash components and refractory; and (II) combine with a portion of said nickel, calcium and silicon to generate a liquid oxide-silicate phase that fluxes substantially all of the remaining portion of said vanadium-containing oxide laths and spinels and other ash components; and

(3) separating in a known manner non-gaseous material from said hot raw effluent gas stream.

4 Claims

A machine of the kind for mixing particulate material having two horizontal vane aggregates rotating outwards in opposite directions in a mixing chamber for cooling, drying or the like of the material during the mixing operation, characterized by means (6, 7, 8) for supplying a cooling or drying agent, or the like, downwards along the inside of the mixing chamber walls (1) extending opposite to the vane aggregate (2, 3) vanes feeding downwards.



Compl. specn. 6 pages

Drg. 1 sheet



Compl. specn. 29 pages

Drg. 1 sheet

Int. CLASS : B 01 f 7/00

165847

A MACHINE FOR MIXING PARTICULATE MATERIAL

Applicant & Inventor : HALVOR FORBERG, OF HAGABAKKEN 2, HEGDAL, N-3250 LARVIK, NORWAY.

Application No. 486/Cal/1986 filed June 27, 1986.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Int. CLASS : C 10 j 3/00

165848

AN APPARATUS FOR PRODUCING COOLING GAS

Applicant (1) KORF ENGINEERING GMBH, OF NEUSSER STRASSE 111, 4000 DUSSELDORF 1, F.R. GERMANY; AND (2) VOEST-ALPINE AKTIENGESELLSCHAFT, OF MULDENSTRASSE 5, A 4020 LINZ, AUSTRIA.

Inventor : BOGDAN VULETIC.

Application No. 491/Cal/1986 filed July 01, 1986.

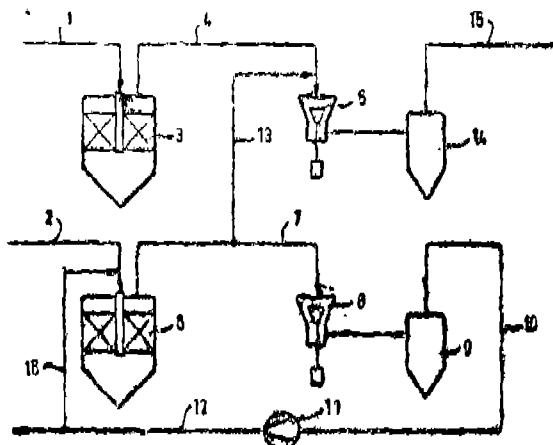
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

An apparatus for producing a cooling gas for a melt-down gasifier and an iron reduction unit, and for producing a surplus gas for use outside the gasifier and reduction unit comprising :

first means for passing a substantially constant gas quantity of a producer gas from the melt-down gasifier through a gasifier supply conduit having a cooling and cleaning apparatus and back into the melt-down gasifier and reduction unit as a cooling gas; second means for passing a top gas from an iron reduction unit through a surplus gas supply line having a cooling and cleaning apparatus to the outside use; and third means for passing the producer gas exceeding said substantially constant gas quantity directly into the surplus gas supply line through the cooling and cleaning apparatus therein and to the outside use,

while by-passing the melt-down gasifier and iron reduction unit.



Compl. speci 13 pages

Drg 1 sheet

CLASS : 99-A

165849

Int. Cl. : B 65 d 1/00.

PROCESS FOR MANUFACTURING TWIN LAYER BOTTOMES WITH FILLING OF THE HOLLOW SPACE.

Applicant : AMC-INTERNATIONAL ALFA METAL-CRAFT CORPORATION AG, OF BUONASERSTRASSE 30, CH-6343 ROTKREUZ, SWITZERLAND.

Inventor : FERDINANDO CARTOSSI.

Application No. 492/Cal/1986 filed July 01, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A process for manufacturing a twin layer bottom of a stainless steel pot, said pot being formed as an assembly of a stainless steel main part (1) having a bottom (4) and a side wall, an intermediate filling layer (3) of a good heat conducting metal and an external stainless steel covering layer (2) applied to the bottom of said main part, which process comprises the steps of :

externally locating a plate (3) of said good heat conducting metal onto the bottom (4) of said main part (1), the thickness of said plate being greater than the final thickness of said intermediate filling layer (3), the volume of said plate being equal to that of said intermediate filling layer;

locating said stainless steel covering layer (2) on said plate (3'), such that a peripheral band (6) thereof extends towards the bottom (4) of the main part (1) and encircles the periphery of said plate;

heating the bottom of the assembly to a temperature near but lower than the melting point of the metal of said plate (3');

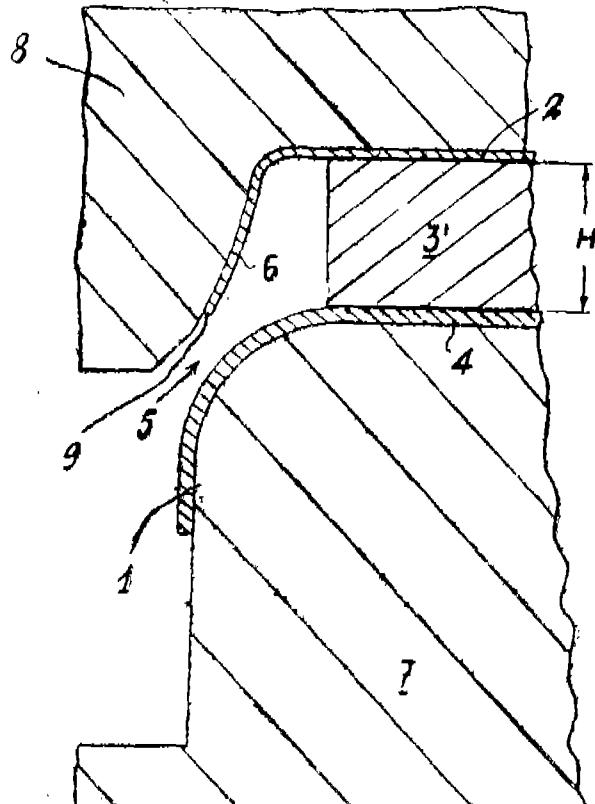
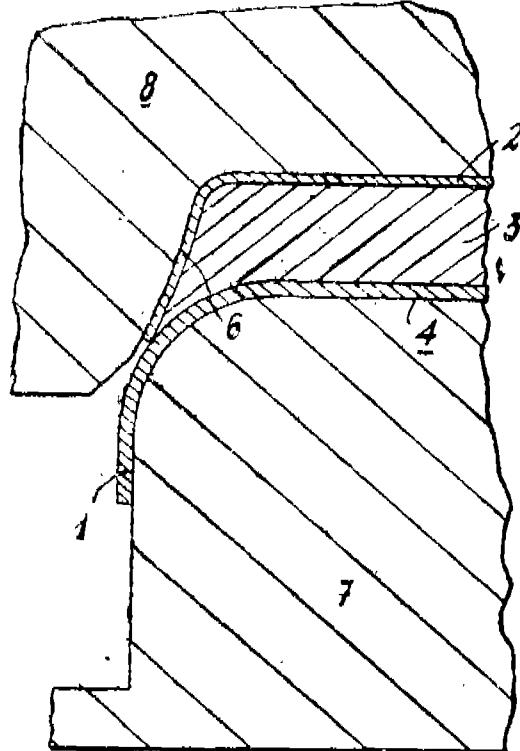
applying an impact pressure onto said bottom assembly in order to connect said covering layer (2) permanently to the bottom (4) of said main part (1), and to deform the plate (3') to form the intermediate filling layer (3);

characterized in that :

the initial thickness of said plate (3') is at least 20% greater than the final thickness of said intermediate filling layer (3); and

in a first phase of the deformation of said plate (3') said impact pressure is applied progressively from the center to the periphery of the bottom and in a

second phase the covering layer is externally restrained by a mould (8), the means for the application of said impact pressure are such that either the bottom of the covering layer (2) or at least the bottom (4) of the main part (1), or both, have in the finished pot a convexity directed towards the filling layer (3), the total camber of the convexity of the covering layer (2) and the bottom (4) of the main part (1) is equal to or greater than 0.25% of the average diameter of the bottom of the pot in its final shape.



Compl. speci. 13 pages

Drg. 2 sheets

Int. CLASS : A 61 m 3/00; 23/00; 29/00

165850

IMPROVEMENTS IN OR RELATING TO GASTRO-INTESTINAL SPHINCTER FOR SURGICAL IMPLANTATION.

Applicant : HABLEY MEDICAL TECHNOLOGY CORPORATION, OF 23181 VERDUGO DRIVE, BUILDING 105-B, LAGUNA HILLS, CALIFORNIA 92653, U.S.A.

Inventor : TERRY MCGOVERN HABER.

Application No. 500/Cal/1986 filed July 04, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

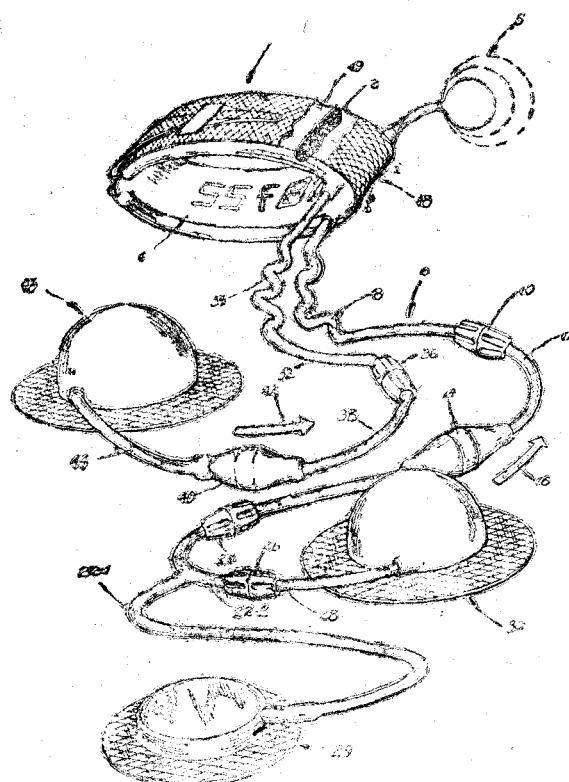
11 Claims

A gastrointestinal prosthetic sphincter for surgical implantation to apply variable occlusive pressures to a passage in the body of an incontinent patient for selectively occluding (or relaxing) said passage and returning the patient to continence whereby to enable the patient to control the flow of material through said passage, said sphincter including a continence producing occlusion cuff (1) surrounding the passage to be occluded and an expandable chamber (2) within said cuff for engaging and articulating the passage, said sphincter being further characterized by :

a first fluid filled path (6) communicating with said expandable chamber;

a second fluid filled path (32) also communicating with said expandable chamber; and

first (30) and second (46) fluid filled reservoirs respectively interconnected with said first and second fluid paths by which to selectively deliver a supply of fluid under pressure via either one or both of said fluid paths to said expandable chamber for controlling the expansion of said chamber and varying the pressures being applied to the patient's passage for occluding the passage and achieving continence; each said reservoir being surgically implanted at a manually accessible area of the patient and having respective flexible surfaces (75) to be manually depressed to compress the associated reservoir and force fluid therefrom and into a corresponding fluid path for delivery to said expandable chamber, such that the successive compression of the first and then the second of said reservoirs variably increases the occlusive pressure being applied to said passage from a first to a second pressure level.

Ind. CLASS⁴ : 32E

165851

Int. Cl. : C 08 G 8/08.

A METHOD OF PRODUCING A PHENOLIC FOAM COMPOSITION.

Applicant : CULLHAM (AUSTRALIA) PTY. LTD. FORMERLY INDUSBOARD (AUSTRALIA) PTY. LTD. STILL (FORMERLY INSULBOARD PTY. LTD.), A VICTORIAN COMPANY OF P.O. BOX 156, GLEM WAVERLEY, 3150, VICTORIA, AUSTRALIA.

Inventor(s) : BARRY THOMAS BROWN.

Application for Patent No. 1105/Del/85 filed on 24 December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A method of producing a phenolic foam having a density of 5 to 15 kg. per m³ by reacting :

(A) an aqueous solution of reactive phenol formaldehyde resin having 65-85% wt. solid;

(B) a foaming agent of the kind such as herein described; and

(C) a reactive acid hardner of the kind such as herein described wherein the ratio of component (A) to component (B) is from 3 : 1 to 15 : 1 and the ratio of component (A) to component (C) is from 5 : 1 to 10 : 1.

Complete specification 13 pages

Ind. CLASS : 55 D₂, 32F₃(a)

165852

Int. Cl.⁴ : A 01 N 31/14.

PROCESS FOR THE PREPARATION OF GERANIOL BASED SATURATED DIETHERS USEFUL AS NEW INSECT CONTROL AGENTS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SARITA ANANT PATWARDHAN, RAVINDRA NATH SHARMA, ANIL PURUSHOTTAM PHADNIS, PUSHPA DUTTA GUND & ILYAS VAZIR BHADLAR.

Application for Patent No. 1126/Del/85 filed on 31st December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

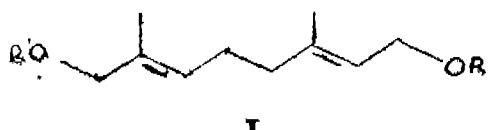
A process for the preparation of geraniol based saturated diethers of the formula (II) of the accompanying drawing, wherein



R and R' have the meaning given below :

R	R'
(a) benzyl	methyl
(b) benzyl	ethyl
(c) p-methyl benzyl	methyl
(d) p-methyl benzyl	ethyl
(e) phenyl	methyl
(f) phenyl	ethyl
(g) isobutyl	benzyl
(h) isobutyl	p-methyl benzyl
(i) ethyl	p-methyl benzyl
(j) ethyl	benzyl
(k) methyl	phenyl
(l) ethyl	phenyl

which comprises hydrogenating a compound of the formula (I) where:



R and R' have the meanings given above at room-temperature in the presence of platinum oxide as a catalyst.

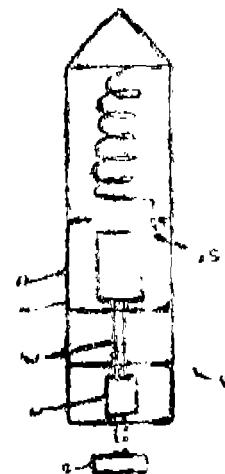
Compl. specn. 9 pages

Dig. 1 sheet

(a) an axially displaceable drum (D) having a chart (P) for recording the pressures, said drum being adapted for selective axial movement relative to and independent of the axial movement of said housing;

(b) a stylus (ST) and a bourdon tube (T) for imparting a movement to said stylus (ST) so as to record pressure on said chart;

(c) a motor (M) adapted to be connected to a power source through a programmable switch (S), the output shaft of said motor impart a selective drive to said drum.



Ind. CLASS : 35E

165853

Int. Cl. : C04B 35/18.

A PROCESS FOR THE MANUFACTURE OF HIGH ALUMINA REFRACTORY BRICKS FROM SILLIMANITE BEACH SAND.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOVIETIES ACT (ACT XXI 1960).

Inventor : ASIS KUMAR ROY.

Application for Patent No. 02/Del/1986 filed on 1st January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

A process for the manufacture of high alumina refractory bricks from sillimanite beach sand comprises:

adding fused/alumina to refractory clay having fusion range above 1650°C and having plasticity to a blend of sillimanite beach sand and mono aluminium phosphate prepared by the method herein described;

pressing the mixture to the desired shape;

drying the shaped product and curing the product at 400°-500°C.

Complete specification 12 pages.

Ind. CLASS : 146C 89

165854

Int. Cl. : G 01 D 1/10, 1/06.

A SUB SURFACE RECORDING GAUGE.

Applicant : OIL & NATURAL GAS COMMISSION, INSTITUTE OF DRILLING TECHNOLOGY, DEPTT. OF DRILLING FLUIDS, KAULAGARH ROAD, DEHRA DUN, UTTAR PRADESH, INDIA, AN AUTONOMOUS STATUTORY COMMISSION UNDER O.N.G.C. OF GOVERNMENT OF INDIA.

Inventor(s) : BADRI PRASAD KATHEL.

Application for Patent No. 28/Del/86 filed on 10th January, 1986.

Post dated to 10th May, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A sub surface recording gauge (G) for measuring pressures in an oil well comprising an elongate housing (A) having:

Compl. specn. 13 pages

Drg. 5 sheets

Ind. CLASS : 104 J

165855

Int. Cl. : B29B 9/00.

A PROCESS FOR PRODUCING A DENSIFIED PELLET OF GUAYULE PLANT MATERIAL.

Applicant : THE FIRE STONE TIRE & RUBBER COMPANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA, OF 1200 FIRESTONE PARKWAY, AKRON, STATE OF OHIO 44317, UNITED STATES OF AMERICA.

Inventor(s) : SHRIKANT RAMKISHORE MALANI & FRANK JAMES CLARK.

Application for Patent No. 159/Del/86 filed on 25 February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for producing a densified pellet of guayule plant material which contains a substantial portion of its molecular weight over a period of time characterised in that the ground guayule plant material is shear free compressed at a pressure of from 1,000 to 40,000 pounds per linear inch, and forming a densified brittle pellet having a 90 per cent to 325 per cent increase in density so that said pellet retains at least 70 per cent of its molecular weight during storage for a two weeks period of time.

Compl. specn. 13 pages.

Ind. CLASS : 195 C, G

165856

(i) said first projection (27) being formed to a generally streamlined, smoothly contoured configuration.

Int. Cl. : F16K 1/06/1/08, 1/10, 1/18,
1/22, 1/30.

A HIGH PRESSURE QUARTER TURN BUTTERFLY CONTROL VALVE.

Applicant : WHITE CONSOLIDATED INDUSTRIES, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, WITH OFFICES AT 11770 BEECH ROAD, CLEVELAND, OHIO 44111, UNITED STATES OF AMERICA.

Inventor(s) : JEROY EARL HERR, ALLEN KEVIN SHABA, TIMOTHY EDWARD KUNKLE

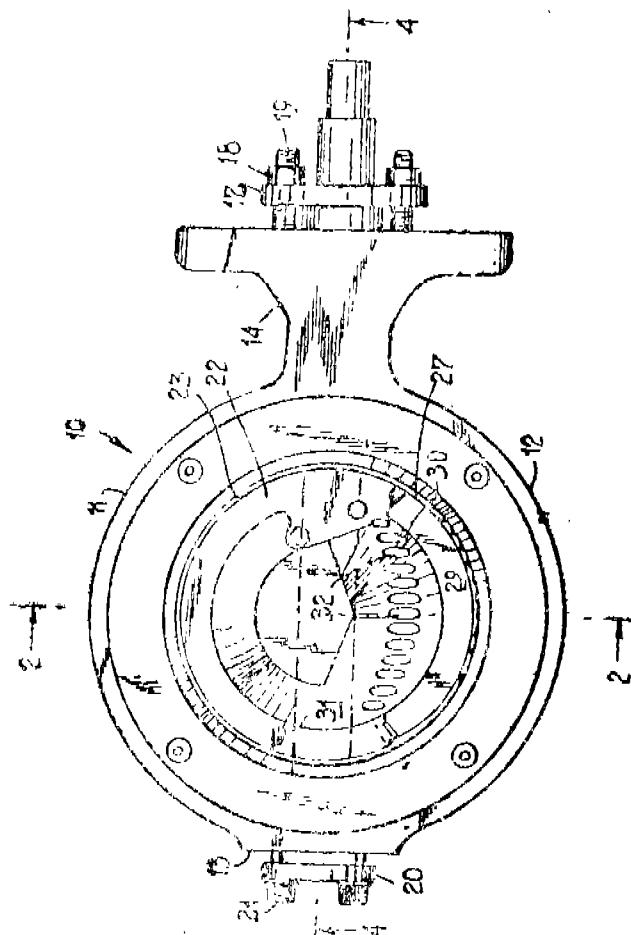
Application for Patent No. 180/Del/86 filed on 28 February, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

9 Claims

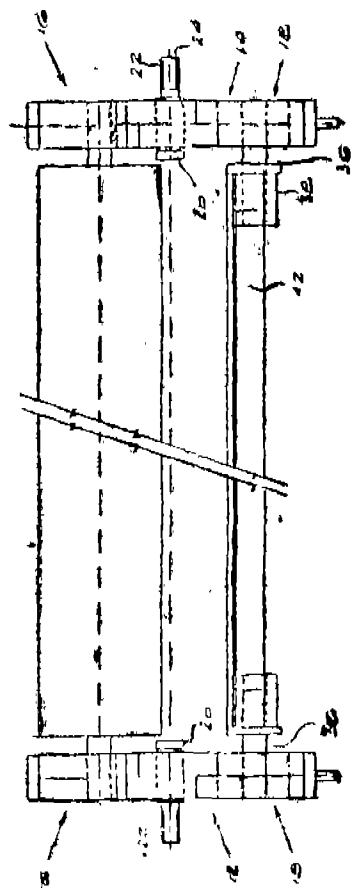
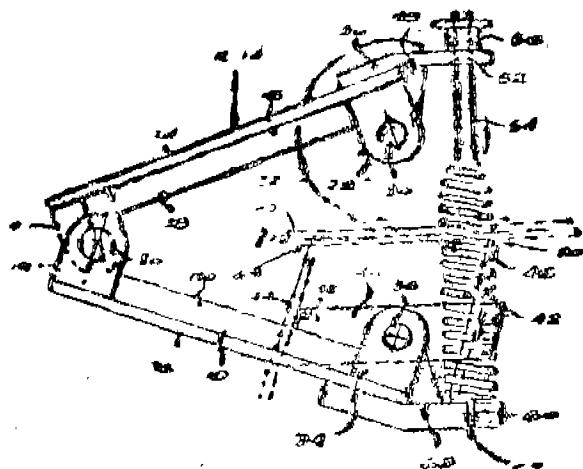
A high pressure quarter turn butterfly control valve (10) which comprises :

- (a) a valve housing (11);
- (b) a disc-shaped vane (22), including an outer periphery (23);
- (c) a shaft (15) mounting said disc-shaped vane for controlled rotation in said valve housing, whereby during valve-opening movements a first portion of the outer periphery (23) is rotated in a downstream direction, and a second portion of said outer periphery (23) is rotated in an upstream direction;
- (d) said disc-shaped vane being rotated through a quarter turn of rotation from a fully closed position to a fully open position, said outer periphery (23) being in a sealed relation with the valve housing at zero degrees of rotation, and the vane ending generally parallel to the direction of fluid flow through the valve housing at 90° of rotation, the improvement comprising:
- (e) said vane having a first projection (27) extending in an upstream direction from said vane along said first portion of the outer periphery (23) when said vane (22) is in said closed position;
- (f) said first projection (27) including a first set of fluid control passages (32) extending therethrough whereby fluid flow adjacent to said first portion of the outer periphery along said first projection (27) is solely through said first set of fluid control passages (32) during the beginning of rotation of said vane (22) from said closed position toward said open position;
- (g) each one of said first set of fluid control passages (32) including an opening for fluid egress arranged along said first portion of the outer periphery (23) of the first projection (27) of the disc-shaped vane;
- (h) said first portion of said periphery (23) and said first projection (27) each being in close proximity to inner wall (36) of said valve housing (11) at least during part of the rotation of said vane (22) from said closed position beyond said beginning of rotation of said vane from said closed position toward said open position;



one said arm (16) of each said pair (12, 14) supporting one end of a reaction roller (32) for bearing on one surface of the conveyor belt and the other said arm (18) of each said pair (12, 14) carrying at least one scraper blade (44/46) having a scraper edge for bearing against an opposite surface of said conveyor belt in opposition to the roller (32); and

a spring means (56, 54, 58, 60) connecting the two said arms (16, 18) of each said pair (12, 14) to urge the arms (16, 18) together.



Ind. CLASS : 185-C, 185-E 54

Int. Cl. : A. 23 F. 5/46, 5/50.

PROCESS FOR PREPARING A LIQUID COFFEE AROMA.

Applicant : GENERAL FOODS CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, LOCATED AT 250 NORTH STREET, WHITE PLAINS, NEW YORK-10625, UNITED STATES OF AMERICA.

Inventor(s) JOSEPH ANTHONY MUSTO; ROBERT ANTHONY SCARELLA; HAROLD WILLIAM JACQUETT; ANGELO VINCENT RIOLO; AND NICHOLAS I. DELLA FAVE.

Application for Patent No. 294/Del/86 filed on 31st March, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

16 Claims

A process for preparing a liquid coffee aroma comprising the steps of :

- (a) condensing coffee grinder gas as a frost;
- (b) placing the grinder gas frost in a pressure vessel;
- (c) supplying heat to the grinder gas frost present in vessel and allowing the frost to equilibrate at a pressure in excess of 750 psig, thereby forming three phases, a water phase, a liquid carbon dioxide phase, and a gaseous carbon dioxide phase;
- (d) draining the water phase from the vessel;
- (e) chilling a second vessel to a temperature of less than -80°F;
- (f) venting from below the liquid carbon dioxide surface in the first vessel through a line into the second vessel for a period sufficient to achieve pressure equilibration between the two vessels;
- (g) isolating the second pressure vessel from the first;
- (h) venting the second vessel so as to reach a pressure of 0 psig in the vessel;
- (i) warming the solid frost contained in with the vessel sealed to a temperature of between about 0°F and 30°F, so as to sublime all residual carbon dioxide contained therein to the gaseous phase; and
- (j) withdrawing a highly concentrated liquid coffee aroma from the second vessel which is essentially carbon dioxide free.

Ind. CLASS : 32 F 5(a)

165859

Int. CLASS : C 07 D 301/00.

AN IMPROVED CYCLIC PROCESS FOR THE PRODUCTION OF ETHYLENE OXIDE.

Applicant : THE HALCON SD GROUP INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, HAVING ITS OFFICE AND PRINCIPAL PLACE OF BUSINESS AT ONE PHILIPS PARKWAY, MONTVALE, NEW JERSEY-07645, UNITED STATES OF AMERICA

Inventor(s) : BRIAN JOHN OZERO.

Application for Patent No. 338/Del/86 filed on 15th April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

13 Claims

An improved cyclic process for the production of ethylene oxide which comprises :

reacting ethylene with oxygen in a reaction zone over a silver-based catalyst at the temperature of from 200°C to 300°C and a pressure of from 100 to 400 psia in the presence of a reaction gas mixture comprising from 5 to 50 mole ethylene, 5 to 9 mole% oxygen, 1 to 25 mole % argon, 2 to 15 mole % CO₂, 0.2 to 1 mole % water and 20 to 60 mole % combined methane and nitrogen, removing in any known manner from the reaction effluent gas mixture, the ethylene oxide produced;

passing a portion of the effluent gas mixture from which said ethylene oxide has been removed through a semi-permeable membrane unit maintained at a pressure differential of from 20 to 400 psia whereby the argon content of said portion of said gas mixture is selectively removed therefrom to provide an ethylene-rich gas stream;

recycling said ethylene-rich gas stream to the remaining effluent gas mixture to provide a recycled gas mixture;

replenishing said recycled gas mixture with any reactant gases depleted from the initial set of reactants; and

reconducting the reaction for maximum production of ethylene oxide.

Comp'l. specn. 13 pages

Drg. 1 sheet

Ind. CLASS : 139 G

165860

Int. CLASS : C 01 B 17/02.

PROCESS FOR PURIFYING LIQUID SULPHUR CONTAINING IMPURITIES SUCH AS HYDROGEN SULPHIDE, POLYSULPHIDES AND SOLID PARTICLES BY REMOVING SAID IMPURITIES THEREFROM.

Applicant : UNION RHEINISCHE BRAUNKOHLEN KRAFTSOFF AG., OF POSTFACH 1663, D-5047 WES-

SELING, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventors : PETER SCHRIEWER, RENE HENTGES, KARL-HEINZ & HARTMUT HAMMER.

Application for Patent No. 366/Del/86 filed on 24th April, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A process for purifying liquid sulfur containing impurities such as hydrogen sulphide, polysulphides (H₂S_x) and solid particles as herein described by removing said impurities therefrom. said process comprising contacting the liquid sulfur with water at a temperature from the melting point of sulfur (110°C) upto 400°C and at a atmospheric or subatmospheric pressure up to the supercritical pressure of water characterised in that the water contains nitrogen containing additives selected from ammonia, amines as herein described, ammonium compounds, or hydrazine or mixture hereof, in amounts from 1 ppm to 20 weight-%, and in that the contact time between the liquid sulfur and the water is from 1 second to 3 hours, with 10 gm to 5000gm of water per kg of liquid sulfur and separating in a manner as herein described said liquid sulfur from said water.

Complete specification 18 pages.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1 No. 161114. The Jay Engineering works Limited, of 23, Kasturba Gandhi Marg, New Delhi-110001, India, an Indian Company. "Table Fan". 28th June 1989.

Class 1. Nos. 161164, 161165, 161167, 161168, 161169, 161170 & 161171. M/s. Avcon Controls Pvt. Ltd., of Unit 23/24, New Nandu Ind. Estate, Mahakali Caves Rd., Andheri (East), Bombay-400 093, Maharashtra, India, Indian Company. "Metal Valves". 7th July, 1989.

Class 1. No. 161244. Westend Catering Private Limited, an Indian Company, of 25, Waterloo Street, Calcutta-700 001, West Bengal, India. "HOT CASE". 31st July, 1989.

Class 3. No. 161232. Uniplas India Limited. Uniplas House No. 5, Community Centre, Besant Lok, 1st Floor, Vasant Vihar, New Delhi-110 057, India, an Indian Company Registered under the provisions of Indian Companies Act, 1956 of the above address. "Water Tank". 31st July, 1989.

Class 3. No. 161245. Western Catering Private Limited, an Indian Company, of 25, Waterloo Street, Calcutta-700 001, West Bengal, India. "Hot Case". 31st July, 1989.

Class 3. No. 161372. MRF Ltd., Tarapore Towers, 826, Anna Road, Madras-2, Tamil Nadu India. "Ring Treads". 6th September, 1989.

Class 3. No. 161373. MRF Ltd., Tarapore Towers, 826, Anna Road, Madras-2, Tamil Nadu, India. "Pretreads". 6th September, 1989.

Class 3. No. 161279. L. V. Sham Cottage Industries, 2292/2, Inside Gate Hakiman, Amritsar-143001, pb. India. "Torch". 9th August, 1989.

Class 3. No. 161292. Sripoorna Plastech Private Limited, No. 1 First Cross Street, Gandhi Nagar, Adyar Madras-600 020, Tamil Nadu, India, a company duly organised and existing under the laws of the Union of India. "Inspection Chambers for Sewer Drainage Systems". 11th August, 1989.

Class 3. No. 161599. Bata India Limited, 30, Shakespeare Sarani, Calcutta 700 017, West Bengal, India. "a sole for the footwear". 17th November, 1989

Class 4. No. 161228. Jagatjit Industries Limited, A Company incorporated under the Companies Act, 9th Floor, Ashoka Estate, 24-Barakhamba Road, New Delhi-110001, India. An Indian Company. "Bottle". 28th July, 1989.

Class 4. No. 161256. McDowell & Co., Ltd., of McDowell House, 3 Second Line Beach, P.O. Box No. 36, Madras 600 001, Tamil Nadu, India, an Indian Company. "Bottle". 4th August, 1989.

Class 4. No. 161299. McDowell & Co. Ltd., a Company incorporated in India Manufacturers and Merchants, 3 Second Line Beach, Madras 600001, Tamil Nadu, India. "Bottle". 16th August, 1989.

Class 10. No. 161598. Bata India Limited, 30, Shakespeare Sarani, Calcutta-700 017, West Bengal, India. "a footwear". 17th November, 1989.

Copyright Extended for the Third Period of five years.
No. 147239. Class 3.

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and Trade Marks.